**Product JSON:** <https://github.com/rvsp/database/blob/master/mongodb/product.json>

For the following question write the corresponding MongoDB queries

1. Find all the information about each products
2. Find the product price which are between 400 to 800
3. Find the product price which are not between 400 to 600
4. List the four product which are greater than 500 in price
5. Find the product name and product material of each products
6. Find the product with a row id of 10
7. Find only the product name and product material
8. Find all products which contain the value of soft in product material
9. Find products which contain product color indigo  and product price 492.00
10. Delete the products which product price value are 28

**1.Find all the information about each products**

**QUERY :**

Library> db.Products.find({})

**OUTPUT:**

[

{

\_id: ObjectId('664f0c3e4090c711a253d300'),

id: '1',

product\_name: 'Intelligent Fresh Chips',

product\_price: 655,

product\_material: 'Concrete',

product\_color: 'mint green'

},

{

\_id: ObjectId('664f0c3e4090c711a253d301'),

id: '2',

product\_name: 'Practical Fresh Sausages',

product\_price: 911,

product\_material: 'Cotton',

product\_color: 'indigo'

},

{

\_id: ObjectId('664f0c3e4090c711a253d302'),

id: '3',

product\_name: 'Refined Steel Car',

product\_price: 690,

product\_material: 'Rubber',

product\_color: 'gold'

},

{

\_id: ObjectId('664f0c3e4090c711a253d303'),

id: '4',

product\_name: 'Gorgeous Plastic Pants',

product\_price: 492,

product\_material: 'Soft',

product\_color: 'plum'

},

{

\_id: ObjectId('664f0c3e4090c711a253d304'),

id: '5',

product\_name: 'Sleek Cotton Chair',

product\_price: 33,

product\_material: 'Fresh',

product\_color: 'black'

},

{

\_id: ObjectId('664f0c3e4090c711a253d305'),

id: '6',

product\_name: 'Awesome Wooden Towels',

product\_price: 474,

product\_material: 'Plastic',

product\_color: 'orange'

},

{

\_id: ObjectId('664f0c3e4090c711a253d306'),

id: '7',

product\_name: 'Practical Soft Shoes',

product\_price: 500,

product\_material: 'Rubber',

product\_color: 'pink'

},

{

\_id: ObjectId('664f0c3e4090c711a253d307'),

id: '8',

product\_name: 'Incredible Steel Hat',

product\_price: 78,

product\_material: 'Rubber',

product\_color: 'violet'

},

{

\_id: ObjectId('664f0c3e4090c711a253d309'),

id: '10',

product\_name: 'Generic Wooden Pizza',

product\_price: 84,

product\_material: 'Frozen',

product\_color: 'indigo'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30a'),

id: '11',

product\_name: 'Unbranded Wooden Cheese',

product\_price: 26,

product\_material: 'Soft',

product\_color: 'black'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30b'),

id: '12',

product\_name: 'Unbranded Plastic Salad',

product\_price: 89,

product\_material: 'Wooden',

product\_color: 'pink'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30c'),

id: '13',

product\_name: 'Gorgeous Cotton Keyboard',

product\_price: 37,

product\_material: 'Concrete',

product\_color: 'sky blue'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30d'),

id: '14',

product\_name: 'Incredible Steel Shirt',

product\_price: 54,

product\_material: 'Metal',

product\_color: 'white'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30e'),

id: '15',

product\_name: 'Ergonomic Cotton Hat',

product\_price: 43,

product\_material: 'Rubber',

product\_color: 'mint green'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30f'),

id: '16',

product\_name: 'Small Soft Chair',

product\_price: 47,

product\_material: 'Cotton',

product\_color: 'teal'

},

{

\_id: ObjectId('664f0c3e4090c711a253d310'),

id: '17',

product\_name: 'Incredible Metal Car',

product\_price: 36,

product\_material: 'Fresh',

product\_color: 'indigo'

},

{

\_id: ObjectId('664f0c3e4090c711a253d311'),

id: '18',

product\_name: 'Licensed Plastic Bacon',

product\_price: 88,

product\_material: 'Steel',

product\_color: 'yellow'

},

{

\_id: ObjectId('664f0c3e4090c711a253d312'),

id: '19',

product\_name: 'Intelligent Cotton Chips',

product\_price: 46,

product\_material: 'Soft',

product\_color: 'azure'

},

{

\_id: ObjectId('664f0c3e4090c711a253d313'),

id: '20',

product\_name: 'Handcrafted Wooden Bacon',

product\_price: 36,

product\_material: 'Concrete',

product\_color: 'lime'

},

{

\_id: ObjectId('664f0c3e4090c711a253d314'),

id: '21',

product\_name: 'Unbranded Granite Chicken',

product\_price: 90,

product\_material: 'Metal',

product\_color: 'gold'

}

]

Type "it" for more

Library> it

[

{

\_id: ObjectId('664f0c3e4090c711a253d315'),

id: '22',

product\_name: 'Ergonomic Soft Hat',

product\_price: 99,

product\_material: 'Rubber',

product\_color: 'black'

},

{

\_id: ObjectId('664f0c3e4090c711a253d316'),

id: '23',

product\_name: 'Intelligent Steel Pizza',

product\_price: 95,

product\_material: 'Cotton',

product\_color: 'azure'

},

{

\_id: ObjectId('664f0c3e4090c711a253d317'),

id: '24',

product\_name: 'Tasty Rubber Cheese',

product\_price: 47,

product\_material: 'Frozen',

product\_color: 'orchid'

},

{

\_id: ObjectId('664f0c3e4090c711a253d318'),

id: '25',

product\_name: 'Licensed Steel Car',

product\_price: 20,

product\_material: 'Cotton',

product\_color: 'indigo'

}

]

**2.Find the product price which are between 400 to 800**

**QUERY:**

Library> db.Products.find({$and:[{product\_price:{$gt:400}},{product\_price:{$lt:800}}]})

**OUTPUT:**

[

{

\_id: ObjectId('664f0c3e4090c711a253d300'),

id: '1',

product\_name: 'Intelligent Fresh Chips',

product\_price: 655,

product\_material: 'Concrete',

product\_color: 'mint green'

},

{

\_id: ObjectId('664f0c3e4090c711a253d302'),

id: '3',

product\_name: 'Refined Steel Car',

product\_price: 690,

product\_material: 'Rubber',

product\_color: 'gold'

},

{

\_id: ObjectId('664f0c3e4090c711a253d303'),

id: '4',

product\_name: 'Gorgeous Plastic Pants',

product\_price: 492,

product\_material: 'Soft',

product\_color: 'plum'

},

{

\_id: ObjectId('664f0c3e4090c711a253d305'),

id: '6',

product\_name: 'Awesome Wooden Towels',

product\_price: 474,

product\_material: 'Plastic',

product\_color: 'orange'

},

{

\_id: ObjectId('664f0c3e4090c711a253d306'),

id: '7',

product\_name: 'Practical Soft Shoes',

product\_price: 500,

product\_material: 'Rubber',

product\_color: 'pink'

}

]

**3.Find the product price which are not between 400 to 600**

**QUERY:**

Library> db.Products.find({$or:[{product\_price:{$lt:400}},{product\_price:{$gt:600}}]})

**OUTPUT**

[

{

\_id: ObjectId('664f0c3e4090c711a253d300'),

id: '1',

product\_name: 'Intelligent Fresh Chips',

product\_price: 655,

product\_material: 'Concrete',

product\_color: 'mint green'

},

{

\_id: ObjectId('664f0c3e4090c711a253d301'),

id: '2',

product\_name: 'Practical Fresh Sausages',

product\_price: 911,

product\_material: 'Cotton',

product\_color: 'indigo'

},

{

\_id: ObjectId('664f0c3e4090c711a253d302'),

id: '3',

product\_name: 'Refined Steel Car',

product\_price: 690,

product\_material: 'Rubber',

product\_color: 'gold'

},

{

\_id: ObjectId('664f0c3e4090c711a253d304'),

id: '5',

product\_name: 'Sleek Cotton Chair',

product\_price: 33,

product\_material: 'Fresh',

product\_color: 'black'

},

{

\_id: ObjectId('664f0c3e4090c711a253d307'),

id: '8',

product\_name: 'Incredible Steel Hat',

product\_price: 78,

product\_material: 'Rubber',

product\_color: 'violet'

},

{

\_id: ObjectId('664f0c3e4090c711a253d309'),

id: '10',

product\_name: 'Generic Wooden Pizza',

product\_price: 84,

product\_material: 'Frozen',

product\_color: 'indigo'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30a'),

id: '11',

product\_name: 'Unbranded Wooden Cheese',

product\_price: 26,

product\_material: 'Soft',

product\_color: 'black'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30b'),

id: '12',

product\_name: 'Unbranded Plastic Salad',

product\_price: 89,

product\_material: 'Wooden',

product\_color: 'pink'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30c'),

id: '13',

product\_name: 'Gorgeous Cotton Keyboard',

product\_price: 37,

product\_material: 'Concrete',

product\_color: 'sky blue'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30d'),

id: '14',

product\_name: 'Incredible Steel Shirt',

product\_price: 54,

product\_material: 'Metal',

product\_color: 'white'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30e'),

id: '15',

product\_name: 'Ergonomic Cotton Hat',

product\_price: 43,

product\_material: 'Rubber',

product\_color: 'mint green'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30f'),

id: '16',

product\_name: 'Small Soft Chair',

product\_price: 47,

product\_material: 'Cotton',

product\_color: 'teal'

},

{

\_id: ObjectId('664f0c3e4090c711a253d310'),

id: '17',

product\_name: 'Incredible Metal Car',

product\_price: 36,

product\_material: 'Fresh',

product\_color: 'indigo'

},

{

\_id: ObjectId('664f0c3e4090c711a253d311'),

id: '18',

product\_name: 'Licensed Plastic Bacon',

product\_price: 88,

product\_material: 'Steel',

product\_color: 'yellow'

},

{

\_id: ObjectId('664f0c3e4090c711a253d312'),

id: '19',

product\_name: 'Intelligent Cotton Chips',

product\_price: 46,

product\_material: 'Soft',

product\_color: 'azure'

},

{

\_id: ObjectId('664f0c3e4090c711a253d313'),

id: '20',

product\_name: 'Handcrafted Wooden Bacon',

product\_price: 36,

product\_material: 'Concrete',

product\_color: 'lime'

},

{

\_id: ObjectId('664f0c3e4090c711a253d314'),

id: '21',

product\_name: 'Unbranded Granite Chicken',

product\_price: 90,

product\_material: 'Metal',

product\_color: 'gold'

},

{

\_id: ObjectId('664f0c3e4090c711a253d315'),

id: '22',

product\_name: 'Ergonomic Soft Hat',

product\_price: 99,

product\_material: 'Rubber',

product\_color: 'black'

},

{

\_id: ObjectId('664f0c3e4090c711a253d316'),

id: '23',

product\_name: 'Intelligent Steel Pizza',

product\_price: 95,

product\_material: 'Cotton',

product\_color: 'azure'

},

{

\_id: ObjectId('664f0c3e4090c711a253d317'),

id: '24',

product\_name: 'Tasty Rubber Cheese',

product\_price: 47,

product\_material: 'Frozen',

product\_color: 'orchid'

}

]

Type "it" for more

Library> it

[

{

\_id: ObjectId('664f0c3e4090c711a253d318'),

id: '25',

product\_name: 'Licensed Steel Car',

1. **List the four product which are greater than 500 in price**

**QUERY:**

Library> db.Products.find({product\_price:{$gt:500}})

**OUTPUT:**

[

{

\_id: ObjectId('664f0c3e4090c711a253d300'),

id: '1',

product\_name: 'Intelligent Fresh Chips',

product\_price: 655,

product\_material: 'Concrete',

product\_color: 'mint green'

},

{

\_id: ObjectId('664f0c3e4090c711a253d301'),

id: '2',

product\_name: 'Practical Fresh Sausages',

product\_price: 911,

product\_material: 'Cotton',

product\_color: 'indigo'

},

{

\_id: ObjectId('664f0c3e4090c711a253d302'),

id: '3',

product\_name: 'Refined Steel Car',

product\_price: 690,

product\_material: 'Rubber',

product\_color: 'gold'

}

]

1. **Find the product name and product material of each products**

**QUERY:**

Library> db.Products.find({},{product\_name:1,product\_material:1})

**OUTPUT:**

[

{

\_id: ObjectId('664f0c3e4090c711a253d300'),

product\_name: 'Intelligent Fresh Chips',

product\_material: 'Concrete'

},

{

\_id: ObjectId('664f0c3e4090c711a253d301'),

product\_name: 'Practical Fresh Sausages',

product\_material: 'Cotton'

},

{

\_id: ObjectId('664f0c3e4090c711a253d302'),

product\_name: 'Refined Steel Car',

product\_material: 'Rubber'

},

{

\_id: ObjectId('664f0c3e4090c711a253d303'),

product\_name: 'Gorgeous Plastic Pants',

product\_material: 'Soft'

},

{

\_id: ObjectId('664f0c3e4090c711a253d304'),

product\_name: 'Sleek Cotton Chair',

product\_material: 'Fresh'

},

{

\_id: ObjectId('664f0c3e4090c711a253d305'),

product\_name: 'Awesome Wooden Towels',

product\_material: 'Plastic'

},

{

\_id: ObjectId('664f0c3e4090c711a253d306'),

product\_name: 'Practical Soft Shoes',

product\_material: 'Rubber'

},

{

\_id: ObjectId('664f0c3e4090c711a253d307'),

product\_name: 'Incredible Steel Hat',

product\_material: 'Rubber'

},

{

\_id: ObjectId('664f0c3e4090c711a253d309'),

product\_name: 'Generic Wooden Pizza',

product\_material: 'Frozen'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30a'),

product\_name: 'Unbranded Wooden Cheese',

product\_material: 'Soft'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30b'),

product\_name: 'Unbranded Plastic Salad',

product\_material: 'Wooden'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30c'),

product\_name: 'Gorgeous Cotton Keyboard',

product\_material: 'Concrete'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30d'),

product\_name: 'Incredible Steel Shirt',

product\_material: 'Metal'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30e'),

product\_name: 'Ergonomic Cotton Hat',

product\_material: 'Rubber'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30f'),

product\_name: 'Small Soft Chair',

product\_material: 'Cotton'

},

{

\_id: ObjectId('664f0c3e4090c711a253d310'),

product\_name: 'Incredible Metal Car',

product\_material: 'Fresh'

},

{

\_id: ObjectId('664f0c3e4090c711a253d311'),

product\_name: 'Licensed Plastic Bacon',

product\_material: 'Steel'

},

{

\_id: ObjectId('664f0c3e4090c711a253d312'),

product\_name: 'Intelligent Cotton Chips',

product\_material: 'Soft'

},

{

\_id: ObjectId('664f0c3e4090c711a253d313'),

product\_name: 'Handcrafted Wooden Bacon',

product\_material: 'Concrete'

},

{

\_id: ObjectId('664f0c3e4090c711a253d314'),

product\_name: 'Unbranded Granite Chicken',

product\_material: 'Metal'

}

]

Type "it" for more

Library> it

[

{

\_id: ObjectId('664f0c3e4090c711a253d315'),

product\_name: 'Ergonomic Soft Hat',

product\_material: 'Rubber'

},

{

\_id: ObjectId('664f0c3e4090c711a253d316'),

product\_name: 'Intelligent Steel Pizza',

product\_material: 'Cotton'

},

{

\_id: ObjectId('664f0c3e4090c711a253d317'),

product\_name: 'Tasty Rubber Cheese',

product\_material: 'Frozen'

},

{

\_id: ObjectId('664f0c3e4090c711a253d318'),

product\_name: 'Licensed Steel Car',

product\_material: 'Cotton'

}

]

1. **Find the product with a row id of 10**

**QUERY:**

Library> db.Products.findOne({\_id:ObjectId('664f0c3e4090c711a253d309')})

**OUTPUT:**

{

\_id: ObjectId('664f0c3e4090c711a253d309'),

id: '10',

product\_name: 'Generic Wooden Pizza',

product\_price: 84,

product\_material: 'Frozen',

product\_color: 'indigo'

}

1. **Find only the product name and product material**

**QUERY:**

**mongodbLibrary> db.products.find({},{product\_name:1,product\_material:1})**

**OUTPUT:**

Library> db.Products.find({},{product\_name:1,product\_material:1})

[

{

\_id: ObjectId('664f0c3e4090c711a253d300'),

product\_name: 'Intelligent Fresh Chips',

product\_material: 'Concrete'

},

{

\_id: ObjectId('664f0c3e4090c711a253d301'),

product\_name: 'Practical Fresh Sausages',

product\_material: 'Cotton'

},

{

\_id: ObjectId('664f0c3e4090c711a253d302'),

product\_name: 'Refined Steel Car',

product\_material: 'Rubber'

},

{

\_id: ObjectId('664f0c3e4090c711a253d303'),

product\_name: 'Gorgeous Plastic Pants',

product\_material: 'Soft'

},

{

\_id: ObjectId('664f0c3e4090c711a253d304'),

product\_name: 'Sleek Cotton Chair',

product\_material: 'Fresh'

},

{

\_id: ObjectId('664f0c3e4090c711a253d305'),

product\_name: 'Awesome Wooden Towels',

product\_material: 'Plastic'

},

{

\_id: ObjectId('664f0c3e4090c711a253d306'),

product\_name: 'Practical Soft Shoes',

product\_material: 'Rubber'

},

{

\_id: ObjectId('664f0c3e4090c711a253d307'),

product\_name: 'Incredible Steel Hat',

product\_material: 'Rubber'

},

{

\_id: ObjectId('664f0c3e4090c711a253d309'),

product\_name: 'Generic Wooden Pizza',

product\_material: 'Frozen'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30a'),

product\_name: 'Unbranded Wooden Cheese',

product\_material: 'Soft'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30b'),

product\_name: 'Unbranded Plastic Salad',

product\_material: 'Wooden'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30c'),

product\_name: 'Gorgeous Cotton Keyboard',

product\_material: 'Concrete'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30d'),

product\_name: 'Incredible Steel Shirt',

product\_material: 'Metal'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30e'),

product\_name: 'Ergonomic Cotton Hat',

product\_material: 'Rubber'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30f'),

product\_name: 'Small Soft Chair',

product\_material: 'Cotton'

},

{

\_id: ObjectId('664f0c3e4090c711a253d310'),

product\_name: 'Incredible Metal Car',

product\_material: 'Fresh'

},

{

\_id: ObjectId('664f0c3e4090c711a253d311'),

product\_name: 'Licensed Plastic Bacon',

product\_material: 'Steel'

},

{

\_id: ObjectId('664f0c3e4090c711a253d312'),

product\_name: 'Intelligent Cotton Chips',

product\_material: 'Soft'

},

{

\_id: ObjectId('664f0c3e4090c711a253d313'),

product\_name: 'Handcrafted Wooden Bacon',

product\_material: 'Concrete'

},

{

\_id: ObjectId('664f0c3e4090c711a253d314'),

product\_name: 'Unbranded Granite Chicken',

product\_material: 'Metal'

}

]

Type "it" for more

Library> IT

ReferenceError: IT is not defined

Library> it

[

{

\_id: ObjectId('664f0c3e4090c711a253d315'),

product\_name: 'Ergonomic Soft Hat',

product\_material: 'Rubber'

},

{

\_id: ObjectId('664f0c3e4090c711a253d316'),

product\_name: 'Intelligent Steel Pizza',

product\_material: 'Cotton'

},

{

\_id: ObjectId('664f0c3e4090c711a253d317'),

product\_name: 'Tasty Rubber Cheese',

product\_material: 'Frozen'

},

{

\_id: ObjectId('664f0c3e4090c711a253d318'),

product\_name: 'Licensed Steel Car',

product\_material: 'Cotton'

}

]

1. **Find all products which contain the value of soft in product material**

**QUERY:**

Library> db.Products.find({product\_material:{$eq:"Soft"}})

**OUTPUT**

[

{

\_id: ObjectId('664f0c3e4090c711a253d303'),

id: '4',

product\_name: 'Gorgeous Plastic Pants',

product\_price: 492,

product\_material: 'Soft',

product\_color: 'plum'

},

{

\_id: ObjectId('664f0c3e4090c711a253d30a'),

id: '11',

product\_name: 'Unbranded Wooden Cheese',

product\_price: 26,

product\_material: 'Soft',

product\_color: 'black'

},

{

\_id: ObjectId('664f0c3e4090c711a253d312'),

id: '19',

product\_name: 'Intelligent Cotton Chips',

product\_price: 46,

product\_material: 'Soft',

product\_color: 'azure'

}

]

**9.Find products which contain product color indigo and product price 492.00**

**QUERY**

Library> db.Products.find({$or:[{product\_price:{$eq:492.00}},{product\_color:{$eq:"indigo"}}]})

**OUTPUT:**

Library>

[

{

\_id: ObjectId('664f0c3e4090c711a253d301'),

id: '2',

product\_name: 'Practical Fresh Sausages',

product\_price: 911,

product\_material: 'Cotton',

product\_color: 'indigo'

},

{

\_id: ObjectId('664f0c3e4090c711a253d303'),

id: '4',

product\_name: 'Gorgeous Plastic Pants',

product\_price: 492,

product\_material: 'Soft',

product\_color: 'plum'

},

{

\_id: ObjectId('664f0c3e4090c711a253d309'),

id: '10',

product\_name: 'Generic Wooden Pizza',

product\_price: 84,

product\_material: 'Frozen',

product\_color: 'indigo'

},

{

\_id: ObjectId('664f0c3e4090c711a253d310'),

id: '17',

product\_name: 'Incredible Metal Car',

product\_price: 36,

product\_material: 'Fresh',

product\_color: 'indigo'

},

{

\_id: ObjectId('664f0c3e4090c711a253d318'),

id: '25',

product\_name: 'Licensed Steel Car',

product\_price: 20,

product\_material: 'Cotton',

product\_color: 'indigo'

}

]

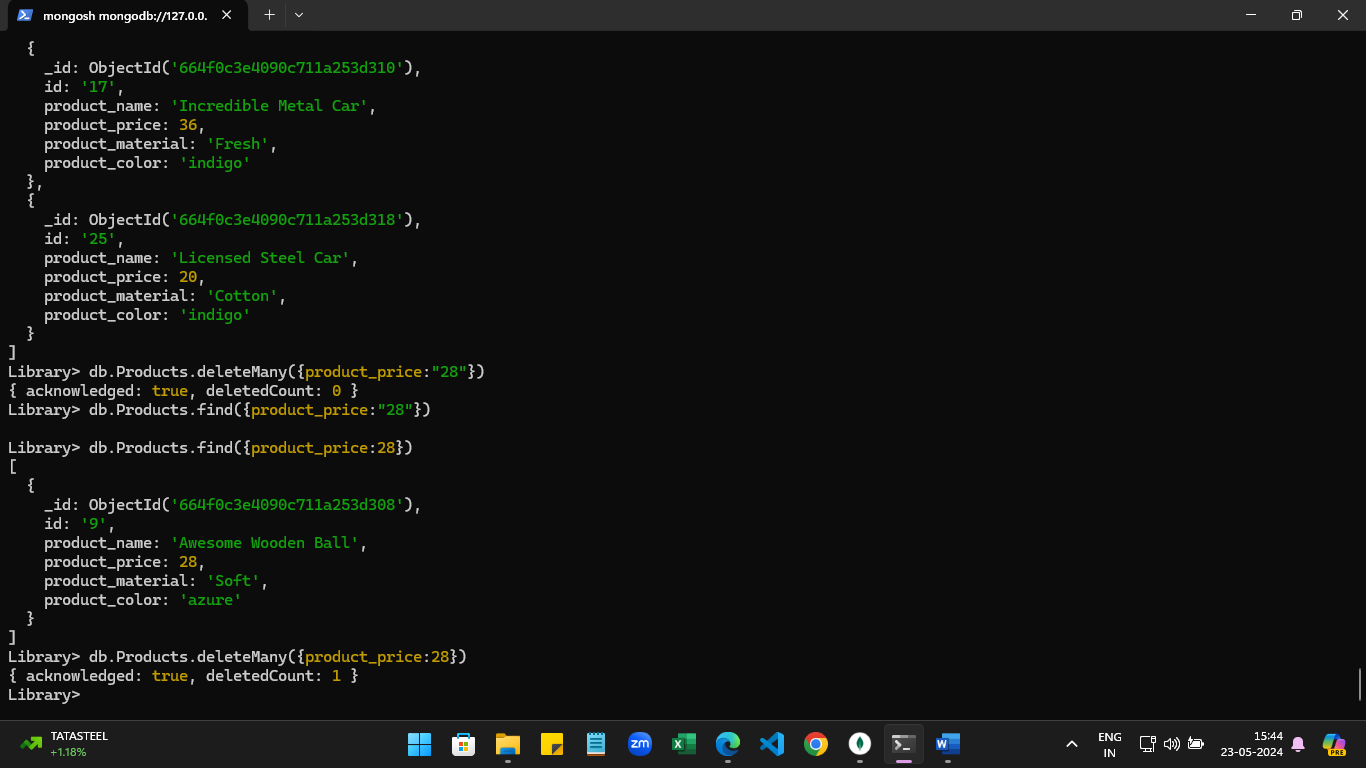
**10.Delete the products which product price value are same**

QUERY

**Library> db.Products.deleteMany({product\_price:{$eq:36}})**

**OUTPUT:**

**{ acknowledged: true, deletedCount: 2 }**

**This is for product price:28**

**Library> db.Products.deleteMany({product\_price:{$eq:28}})**